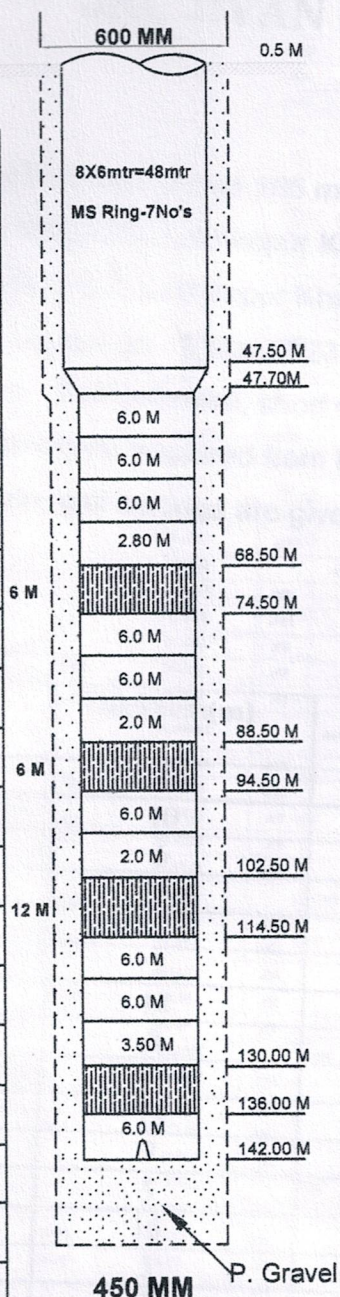


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Dhakiya Kastaol, Block- Mitauli, District, LakhimpurKheri.
Name of Program :- J.J.M-3
Name of client :- S.W.S.M. & U.P. AL NIGAM (R)
Name of Contractor :- M/S NCC Limited
Name of TPI :- Ceinsys Tech Limited
Cover Agreement :-245/ED/Phase-2/2022-23/VIII, Dated 19.12. 2022
Lowered Assembly Chart of T. W of G.P. Dhakiya Kastaol, Block- Mitauli,

Strata

0-5 mtr Surface soil
5-15 mtr Sand & kankar
15-21 mtr Medium Sand
21-25 mtr Clay Kankar
25-40 mtr Medium Sand
40-42 mtr kankar
42-60 mtr Medium Sand
60-68 mtr Clay
68-75 mtr Medium Sand
75-88 mtr Clay Kankar
88-95 mtr Fine to Medium Sand
95-100 mtr Clay kankar
100-115 mtr Medium Sand
115- 120 mtr Clay Kankar
120-123 mtr Medium Sand
123- 130 mtr Clay Kankar
130-136 mtr Medium Sand
136- 146 mtr Clay Kankar
146- 155 mtr Fine to Medium Sand
155- 162 mtr Clay Kankar
162- 165 mtr Fine to Medium Sand



ABSTRACT		
1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 1200 LPM
3	Bore Size (MM)	:- 600x450
4	Assembly Size (MM)	:- 300 x 150
5	Drilling Starting Date	:- 7.03.2023
6	Drilling Completion Date	:- 14.03.2023
7	Total Depth Of Drilling	:- 165 M
8	Logging Date	:- 15.03.2023
9	Logging Depth	:- 165 M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	42-60	18	Medium Sand	Good
2	68-75	7	Medium Sand	Good
3	88-95	7	F to M Sand	Good
4	100-115	15	Medium Sand	Good
5	120-123	3	Medium Sand	Good
6	130-136	6	Medium Sand	Good
7	146-155	9	F to M Sand	Good

(G.Shukla)
 Verified by Asst. Hydrologist
 Circle Office(E&M) U.P al
 Nigam (Rural)

(A.K Singh)
 Verified by Geophysicist
 GIC Lucknow.

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe	:- 48.0 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 30.00Meter
iii) 150 mm Dia M. S. Plain pipe	:- 64.30Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 142.50 Meter
AGI	:- 00.50 Meter
BGL	:- 142.00 Meter
12. Date of Lowering	:-

Recommended
&
Prepared by

Verified by

Recommended by

Approved by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

J.E.
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

A.E.
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

E.E.
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DIHAKIYA KASTAOL, BLOCK- MITAULI,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~165~~ mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

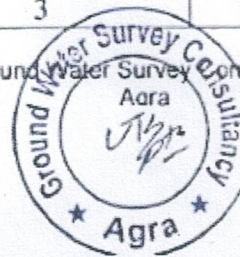
Mud Resistivity = 20.86 Ohms.

Drilling Water Resistivity = 21.70 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Sand & kankar	
3.	15 - 21	6	Medium sand	Good
4.	21 - 25	4	Clay kankar	
5.	25 - 40	15	Medium sand	Good
6.	40 - 42	2	Kankar	
7.	42 - 60*	18	Medium sand	Good
8.	60 - 68	8	Clay	
9.	68 - 75*	7	Medium sand	Good
10.	75 - 88	13	Clay kankar	
11.	88 - 95*	7	Fine to Medium sand	Good
12.	95 - 100	5	Clay kankar	
13.	100 - 115*	15	Medium sand	Good
14.	115 - 120	5	Clay kankar	
15.	120 - 123*	3	Medium sand	Good
16.	123 - 130	7	Clay kankar	
17.	130 - 136*	6	Medium sand	Good
18.	136 - 146	10	Clay kankar	
19.	146 - 155*	9	Fine to Medium sand	Good
20.	155 - 162	7	Clay kankar	
21.	162 - 165*	3	Fine to Medium sand	Good

Ground Water Survey Consultancy



GSh
17/03/23

Logging performed per SWM guide
Groundwater quality interpreted by former their logger ca